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## Inventor Information for 10/610339

Inventor Name	City	State/Country
ALFANO, ROBERT R.	BRONX	NEW YORK
BUDANSKY, YURY	OAKLAND	NEW JERSEY
LUO, JINGCHENG	NEW YORK	NEW YORK
ZEVALLOS, MANUEL E.	WOODHAVEN	NEW YORK

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US 20060035986 A1	US-PGP	2006021	9	Method of and apparatus for pro methanol	518/700		Bichkov Vitaliev
US 20050240107 A1	US-PGP	2005102	28	Detecting human cancer through optical imaging using key water wavelengths	600/476	600/473	Alfano, et al.
US 20050226577 A1	US-PGP	2005101		Method and apparatus for produ multiple optical channel source f supercontinuum generator for W communication	385/122		Alfano, et al.
US 20050098728 A1	US-PGP	2005051		Systems and methods for non-de detecting material abnormalities coated surface	250/341		Alfano, et al.
US 20040176752 A1	US-PGP	2004090		System and methods for laser tre ocular tissue	606/4	606/8	Alfano, et al.
US 20040152203 A1	US-PGP	2004080		Stokes shift emission spectrosc detection of disease and physiolo of specimen	436/171		Alfano, et al.
US 20040135222 A1	US-PGP	2004071		Photodetectors and optically pur emitters based on III-nitride mul quantum-well structures	257/458		Alfano, et al.
US 20040119018 A1	US-PGP	2004062		Systems and methods for non-de detecting material abnormalities coated surface	250/341		Alfano, et al.
US 20040111031 A1	US-PGP	2004061		Spectral polarizing tomographic dermatoscope	600/476	600/473	Alfano, et al.
US 20040110643 A1	US-PGP	2004061		Self-generating foamed drilling	507/100		Zevallos Legendr
US 20040030255 A1	US-PGP	2004021		Hybrid-dual-Fourier tomographi for a fast three-dimensional opti reconstruction in turbid media	600/476		Alfano, et al.
US 20030229458 A1	US-PGP	2003121		Systems and methods for non-de detecting material abnormalities coated surface	702/40		Alfano, et al.
US 20030090674 A1	US-PGP	2003051		System and method for performi optical measurements	356/497	356/521	Zeylikov et al.
US 20030048499 A1	US-PGP	2003031		Methods of improving line of sig optical communication through a environmental conditions	398/5		Alfano, et al.
US 20020198517 A1	US-PGP	2002122		Gelatin based and Power-gel™ for Cr4+ laser tissue welding and lung air leak and fistulas in organ	606/8		Alfano, et al.
US 20020095257 A1	US-PGP	2002071		Method and system for detection measurements of bimolecular m vitreous humor	702/19	351/205	Rosen, E et al.
US 20020002337 A1	US-PGP	2002010		System and method of fluoresce spectroscopic imaging for charac	600/476	250/362 250/363	Alfano, et al.

			and monitoring of tissue damage		600/477	
US 20010046054 A1	US-PGP	2001112	System and method for performing optical measurements utilizing a coherence domain reflectometer	356/497	356/521	Zeylikov et al.
US 6853926 B2	USPAT	2005020	Systems and methods for non-destructively detecting material abnormalities on a coated surface	702/40	250/339 250/341 702/159	Alfano; et al.
US 6762839 B2	USPAT	2004071	System and method for performing optical measurements utilizing a changeable aperture	356/397	356/521	Zeylikov et al.
US 6665557 B1	USPAT	2003121	Spectroscopic and time-resolved methods and apparatus for imaging in turbid media	600/473	600/475	Alfano; et al.
US 6665556 B1	USPAT	2003121	Method and apparatus for examining tissue using the spectral wing emission therefrom induced by visible to near-ultraviolet photoexcitation	600/473	600/474 600/477	Alfano; et al.
US 6631289 B2	USPAT	2003100	System and method of fluorescence spectroscopic imaging for characterization and monitoring of tissue damage	600/476	250/341 436/172 600/310	Alfano; et al.
US 6615068 B1	USPAT	2003090	Technique for examining biological materials using diffuse reflectance spectroscopy and the Kubelka-Munk function	600/407	250/459 250/461 436/172 436/64	Alfano; et al.
US 6587711 B1	USPAT	2003070	Spectral polarizing tomographic dermatoscope	600/476	600/410	Alfano; et al.
US 6560478 B1	USPAT	2003050	Method and system for examining biological materials using low power excitation Raman spectroscopy	600/473	600/475	Alfano; et al.
US 6495833 B1	USPAT	2002121	Sub-surface imaging under paint coatings using early light spectroscopy	250/341	250/330 250/339	Alfano; et al.
US 6437867 B2	USPAT	2002082	Performing selected optical measurements with optical coherence domain reflectometry	356/497	356/521	Zeylikov et al.
US 6346101 B1	USPAT	2002021	Photon-mediated introduction of materials into cells and/or cellular components	606/15	128/898 604/20; 606/10; 606/17	Alfano; et al.
US 6280386 B1	USPAT	2001082	Apparatus for enhancing the visibility of a luminous object inside tissue and for same	600/431	600/109 600/477	Alfano; et al.
US 6240312 B1	USPAT	2001052	Remote-controllable, micro-scale use in in vivo medical diagnosis and treatment	600/476	128/903	Alfano; et al.
US 6215587 B1	USPAT	2001041	Microscope imaging inside highly scattering media	359/368	359/385 359/559	Alfano; et al.

US 6208886 B1	USPAT	2001032	Non-linear optical tomography of media	600/473	250/341 250/358	Alfano; et al.
US 6151522 A	USPAT	2000112	Method and system for examining biological materials using low power excitation raman spectroscopy	600/473	356/301 600/310	Alfano; et al.
US 6108576 A	USPAT	2000082	Time-resolved diffusion tomography and 3D imaging in highly scattering media	600/476	600/310	Alfano; et al.
US 6091985 A	USPAT	2000071	Detection of cancer and precancerous conditions in tissues and/or cells using native fluorescence excitation spectroscopy	600/476	436/172 436/64;	Alfano; et al.
US 6091983 A	USPAT	2000071	Imaging of objects in turbid media upon the preservation of polarized luminescence emitted from contrast agents	600/431	250/341 356/433 600/477	Alfano; et al.
US 6080584 A	USPAT	2000062	Method and apparatus for detecting presence of cancerous and precancerous cells in a smear using native fluorescence spectroscopy	436/63	422/82.0 436/64	Alfano; et al.
US 6069354 A	USPAT	2000053	Photonic paper product dispensing system	250/221	242/563	Alfano; et al.
US 6045465 A	USPAT	2000040	Baseball training bat with color transferable bands	473/457	473/422 473/559	Alfano; et al.
US 6006001 A	USPAT	1999122	Fiberoptic assembly useful in optical spectroscopy	385/115		Alfano; et al.
US 5983125 A	USPAT	1999110	Method and apparatus for in vivo examination of subcutaneous tissue of an organ of a body using optical spectroscopy	600/473	600/478	Alfano; et al.
US 5949077 A	USPAT	1999090	Technique for imaging an object behind a scattering medium	250/459	250/458 250/461 250/461	Alfano; et al.
US 5943133 A	USPAT	1999082	System and method for performing optical measurements on a sample using a diffraction grating	356/496	356/521	Zeylikov et al.
US 5931789 A	USPAT	1999080	Time-resolved diffusion tomography and 3D imaging in highly scattering media	600/473	356/432 600/476	Alfano; et al.
US 5929443 A	USPAT	1999072	Imaging of objects based upon the polarization or depolarization of light	250/341	250/341	Alfano; et al.
US 5849595 A	USPAT	1998121	Method for monitoring the effectiveness of chemotherapeutic agents on neoplastic media	436/164	422/82.0 426/64; 426/811	Alfano; et al.
US 5847394 A	USPAT	1998120	Imaging of objects based upon the polarization or depolarization of light	250/341	250/341	Alfano; et al.
US 5828484 A	USPAT	1998102	Multiple-stage optical Kerr gate	359/258	359/328 359/330	Ho; Ping

US 5813988 A	USPAT	1998092	Time-resolved diffusion tomography imaging in highly scattering turbid media	600/476	356/432 600/473	Alfano; et al.
US 5799656 A	USPAT	1998090	Optical imaging of breast tissues and the detection therein of calcifications suggestive of cancer	600/473	250/341 250/358	Alfano; et al.
US 5769081 A	USPAT	1998062	Method for detecting cancerous tissue using optical spectroscopy and fourier transform	600/476	356/301	Alfano; et al.
US 5719399 A	USPAT	1998021	Imaging and characterization of objects upon the preservation of polarization transmitted therethrough	250/341	600/407	Alfano; et al.
US 5717517 A	USPAT	1998021	Method for amplifying laser signal using an amplifier for use in said method	359/342	372/39;	Alfano; et al.
US 5710429 A	USPAT	1998012	Ultrafast optical imaging of objects behind scattering media	250/358	250/330	Alfano; et al.
US 5656810 A	USPAT	1997081	Method and apparatus for evaluating the composition of an oil sample	250/301	250/255	Alfano; et al.
US 5644429 A	USPAT	1997070	2-dimensional imaging of translucent objects in turbid media	359/559		Alfano; et al.
US 5636050 A	USPAT	1997060	Apparatus using optical deflection for imaging	359/238		Alfano; et al.
US 5635402 A	USPAT	1997060	Technique for determining whether a tissue is malignant as opposed to non-malignant using extrinsic fluorescence spectroscopy	436/63	250/459 250/461 436/64	Alfano; et al.
US 5625458 A	USPAT	1997042	Method and system for imaging objects in turbid media using diffusive feedback	356/446		Alfano; et al.
US 5474910 A	USPAT	1995121	Method and device for detecting molecules and/or microorganisms in a desired area or space	435/34	250/330 250/339 250/458 250/461 422/104 422/64; 422/82.0 422/82.0 422/82.1 435/4; 4 436/171 436/20	Alfano;
US 5467767 A	USPAT	1995112	Method for determining if tissue is malignant as opposed to non-malignant using time-resolved fluorescence spectroscopy	600/476	600/477 606/13; 607/88;	Alfano; et al.
US 5463485 A	USPAT	1995103	Terahertz repetition rate optical systems, and communication systems using cross-phase modulation based optical processing	359/107	359/330	Alfano; et al.
US 5413108 A	USPAT	1995050	Method and apparatus for mapping	600/478		Alfano;

			sample for and distinguishing different regions thereof based on luminescence measurements of cancer-indicating fluorophor			
US 5373381 A	USPAT	1994121	Terahertz repetition rate optical systems, and communication systems logic elements using cross-phase modulation based optical processes	359/108	359/300 359/331 385/122	Alfano; et al.
US 5371368 A	USPAT	1994120	Ultrafast optical imaging of objects in a scattering medium	250/341	250/358 600/473	Alfano; et al.
US 5369496 A	USPAT	1994112	Noninvasive method and apparatus for characterizing biological materials	356/446	356/318 600/477	Alfano; et al.
US 5348018 A	USPAT	1994092	Method for determining if tissue is malignant as opposed to non-malignant using time-resolved fluorescence spectroscopy	600/476	600/477 606/13; 607/88;	Alfano; et al.
US 5323260 A	USPAT	1994062	Method and system for compressing and amplifying ultrashort laser pulses	359/244	359/241 359/341	Alfano; et al.
US 5315437 A	USPAT	1994052	Protective device for selectively blocking high-intensity light over a broad bandwidth	359/588	359/326 359/589	Alfano; et al.
US 5293872 A	USPAT	1994031	Method for distinguishing between atherosclerotic tissue and fibrous atherosclerotic tissue or normal cardiovascular tissue using Raman spectroscopy	600/475	600/477 606/14; 606/7	Alfano; et al.
US 5278403 A	USPAT	1994011	Femtosecond streak camera	250/214	313/376	Alfano; et al.
US 5261410 A	USPAT	1993111	Method for determining if a tissue is malignant tumor tissue, a benign tumor tissue, or a normal or benign tissue using Raman spectroscopy	600/475	250/339 250/341	Alfano; et al.
US 5227912 A	USPAT	1993071	Multiple-stage optical Kerr gate	359/258	359/259	Ho; Ping
US 5150248 A	USPAT	1992092	Terahertz repetition rate optical systems, and communication systems logic elements using cross-phase modulation based optical processes	398/147	359/238 398/157	Alfano; et al.
US 5142372 A	USPAT	1992082	Three-dimensional optical imaging of transparent and opaque objects using ultrashort light pulses, a streak camera, and a coherent fiber bundle	348/215	348/335	Alfano; et al.
US 5140463 A	USPAT	1992081	Method and apparatus for improving the signal to noise ratio of an image of an object hidden in or behind a scattering random media	359/559	348/31; 378/154	Yoo; Kyung; et al.
US 5136530 A	USPAT	1992080	Ultrafast digital optical signal processing	708/191		Li; Yao

				using a Venn diagram based spatial encoding technique			
US 5131398 A	USPAT	1992072		Method and apparatus for distinguishing cancerous tissue from benign tumor, benign tissue or normal tissue using fluorescence	600/476	600/477	Alfano; et al.
US 5126874 A	USPAT	1992063		Method and apparatus for creating optical elements and circuits	359/240	359/241	Alfano; et al.
US 5061075 A	USPAT	1991102		Optical method and apparatus for diagnosing human spermatozoa	356/417	250/461 356/364	Alfano; et al.
US 5042494 A	USPAT	1991082		Method and apparatus for detecting cancerous tissue using luminescence excitation spectra	600/477	600/478	Alfano;
US 5034903 A	USPAT	1991072		Apparatus and method for measuring time evolution of carriers propagating within submicron and micron scale devices	250/311	324/158	Alfano; et al.
US 5003168 A	USPAT	1991032		Trigger circuit for a streak camera drive circuit	250/214	257/E31	Alfano; et al.
US 4987575 A	USPAT	1991012		Tetravalent chromium (Cr.sub.4) laser-active ion for tunable solid-state lasers	372/41	252/301 252/301 252/301	Alfano; et al.
US 4973160 A	USPAT	1990112		SHG autocorrelator	356/450	356/520	Takiguchi Yoshihito
US 4972423 A	USPAT	1990112		Method and apparatus for generating ultrashort light pulses	372/25	372/20	Alfano; et al.
US 4969156 A	USPAT	1990110		Laser cavity having an adjustable path length extender	372/93	372/101 372/94;	Schiller; H. et al.
US 4956548 A	USPAT	1990091		Ultrafast oscilloscope	250/214	313/529	Alfano; et al.
US 4932031 A	USPAT	1990060		Chromium-doped foresterite laser	372/41	372/13; 372/20; 372/94	Alfano; et al.
US 4931704 A	USPAT	1990060		Ultrafast sampling oscilloscope	315/384	313/532 324/76.2 324/76.3	Alfano; et al.
US 4930516 A	USPAT	1990060		Method for detecting cancerous tissue using visible native luminescence	600/477	600/478	Alfano; et al.
US 4918635 A	USPAT	1990041		Ultrafast digital photonic signal processing using optical noncollinear second-order generation	708/191	359/107 708/620	Li; Yao
US 4853595 A	USPAT	1989080		Photomultiplier tube having a transverse strip line photocathode and system therewith	313/532	250/207 250/214 313/537	Alfano; et al.
US 4682020 A	USPAT	1987072		Picosecond gated light detector	250/214	313/537 968/DIC	Alfano;



US 4659921 A	USPAT	1987042	Ultrafast gated light detector	250/214	313/528 356/318	Alfano;
US 4630925 A	USPAT	1986122	Compact temporal spectral photo	356/318	356/305	Schiller; H. et al.
US RE31815 E	USPAT	1985012	Method and apparatus for detect presence of caries in teeth using luminescence	600/477	356/237 600/478	Alfano;
US 4479499 A	USPAT	1984103	Method and apparatus for detect presence of caries in teeth using	600/477	356/317 356/417	Alfano;
US 4464761 A	USPAT	1984080	Chromium-doped beryllium alur silicate laser systems	372/41		Alfano; et al.
US 4438416 A	USPAT	1984032	Picosecond delay device	333/160	333/245	Schiller; H. et al.
US 4435727 A	USPAT	1984030	Apparatus and method for use in the time axis and intensity linear streak camera	348/187	348/135 968/DIC	Schiller; H. et al.
US 4291282 A	USPAT	1981092	Stabilized pulse producing mode laser system	372/30	372/18; 372/41;	Alfano; et al.
US 4290433 A	USPAT	1981092	Method and apparatus for detect presence of caries in teeth using luminescence	600/477	356/237 433/25	Alfano;
US 4277669 A	USPAT	1981070	Method and device for detecting threshold of generation of a laser	219/121	219/121 219/121 219/121	Alfano; et al.
US 3782828 A	USPAT	1974010	PICOSECOND SPECTROMET PICOSECOND CONTINUUM	356/318	356/301 356/323 372/18; 372/26	Alfano; et al.